



IN THE UNITED STATES PATENT AND
TRADEMARK OFFICE

In re PATENT APPLICATION of

Yuichi ITOH et al.

Atty. Docket No.: 1254-0170P

Serial No. 09/779,558

Group: 1713

Filed: February 9, 2001

Examiner: EGWIM, KELECHI C.

For: LOW FOGGING THERMOPLASTIC ELASTOMER COMPOSITION AND
MANUFACTURING METHOD AND USE OF SAME COMPOSITION

DECLARATION PURSUANT TO 37 C.F.R.1.132

1. I, Kunihiro Mizumoto, do hereby declare as follows:

I received Master of Engineering from Graduate School of Engineering
Osaka University in March, 1985. Since April, 1985, I have been employed by
Mitsui Kagaku Co.

I have a full knowledge of the present invention and cited references.

2. In order to demonstrate the patentability of the present invention, the
following experiment was carried out.

An olefinic thermoplastic elastomer composition was produced(molded) in
the same way as Example 1 of the Specification, except for using as mineral oil
softening agent Tufflo 6056 used by Rinehart.

Regarding the olefinic thermoplastic elastomers thus obtained, the
following evaluation test was conducted, and the results and the results of

Examples 1-4 of the Specification are shown in Table I.

[Antifogging test]

Using the obtained pellets, the fogging after 100 °C and 3 hours was evaluated in terms of haze values according to the prescription of A method of DIN.

[Gloss (visual observation)]

The gloss was judged by visual observation.

Criterion:

○: glossy

△: a little glossy

×: not glossy at all

[Tensile properties]

The tensile properties were measured according to the prescription of JIS K6301.

M₁₀₀ : stress at 100% elongation

T_B : tensile strength at break

E_B : tensile elongation at break

Table 1

	Example				Tufflo 6056
	1	2	3	4	
[Antifogging test]					
Haze (%)	1.4	1.4	1.9	2.1	3.3
Gloss	○	○	○	○	○
[Tensile properties]					
M ₁₀₀ (Kg/cm ²)	4.1	3.6	4.1	3.3	4.0
T _B (Kg/cm ²)	9.0	7.7	9.5	9.1	9.3
E _B (%)	570	520	570	520	500

3. I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: This *23rd* day of June, 2004

Kunihiko Mizumoto

Kunihiko Mizumoto